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IN THE UNITED STATES PATENT AND TRADEMARK OFFICE

In re application of: Johannes J. Geuze *et al.*

Serial No.: 09/011,167

Filed: October 5, 1998

Title: **CELL DERIVED ANTIGEN  
PRESENTING VESICLES**

) Examiner: Amy M. DeCloux, Ph.D.

) Art Unit: 1644

) **"CLEAN COPY" OF CLAIMS**

Assistant Commissioner for Patents  
Washington, D.C. 20231

Sir:

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The following is the text of the pending claims including the amendments shown on the attached "Marked Up" Version of the Claims.

IN THE CLAIMS:

13. (Amended) An antigen presenting vesicle free from its natural surroundings, said vesicle comprising:

a membrane, a major histocompatibility complex (MHC) Class I protein and one or more at least partially processed antigens bound to said MHC class I protein and wherein said antigen presenting vesicle is obtainable from a B lymphocyte.

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K. Patken  
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Karen Patken  
(Printed Name)

14. (New) The antigen presenting vesicle according to Claim 13, wherein said vesicle is obtained by the step of recovering a 70,000 x g pellet obtained by differential centrifugation of membrane-containing fractions of cell culture media or lysates of B lymphocytes containing said MHC Class I protein.

15. (New) An antigen presenting vesicle free from its natural surroundings, said vesicle comprising:

a membrane, a major histocompatibility complex (MHC) Class I protein and one or more at least partially processed antigens bound to said MHC Class I protein, and wherein said antigen presenting vesicle is derived from culture media of B-lymphocytes containing said MHC Class I protein.

16. (New) An antigen presenting vesicle free from its natural surroundings, said vesicle comprising:

a membrane, a major histocompatibility complex (MHC) Class I protein and one or more at least partially processed antigens bound to said MHC Class I protein, wherein said antigen presenting vesicle is obtained by the step of recovering a 70,000 x g pellet obtained by differential centrifugation of membrane-containing fractions of cell culture media or lysates of B-lymphocytes containing said MHC Class I protein.

17. (New) An antigen presenting vesicle free from its natural surroundings, said vesicle comprising:

a membrane, a major histocompatibility complex (MHC) Class I and Class II proteins and one or more at least partially processed antigens bound to said MHC proteins, wherein said antigen presenting vesicle is obtained by the step of recovering a 70,000 x g pellet obtained by differential centrifugation of membrane-containing fractions of cell culture media or lysates of B-lymphocytes containing said MHC Class I and Class II proteins.

Respectfully submitted,

Date: August 7, 2002

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